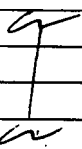
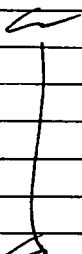
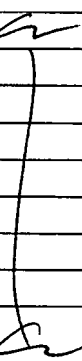


Substitute for form PTO/SB/08A  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	<b>Complete if Known</b>	
	Application Number	10/519,322
	Filing Date	December 23, 2004
	First Named Inventor	Ernest Chen
	Art Unit	2611
	Examiner Name	AHN, Sam K.
Date:	July 30, 2007	
Sheet 1 of 1	Attorney Docket Number	PD-202109

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,285,474	02-1994	Chow et al.	
		US-6,002,713	12-1999	Goldstein et al.	
		US-6,078,645	06-2000	Cai et al.	
		US-6,313,885	11-2001	Patel et al.	

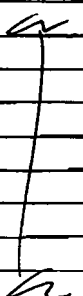
U.S. PUBLICATION DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-2002/0009141	01-2002	Yamaguchi et al.	
		US-2002/0186761	12-2002	Corbaton et al.	
		US-2003/0171102	09-2003	Yang, Bin	
		US-2004/0013084	01-2004	Thomas et al.	
		US-2004/0091059	05-2004	Chen, Ernest C.	
		US-2006/0022747	02-2006	Chen et al.	
		US-2006/0045191	03-2006	Vasanth et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T
		EP 0115218	08-1984	Mitsubishi Petrochemical Co.	
		EP 1011245	06-2000	Matsushita Electric Ind. Co.	
		EP 1065854	01-2001	Tandberg Television ASA	
		WO 99/23718	05-1999	Motorola Inc.	
		WO 01/39455	05-2001	Thomson Licensing SA	
		WO 01/39456	05-2001	Thomson Licensing SA	
		WO 2005/074171	08-2005	Qualcomm Incorporated	
		WO 2005/086444	09-2005	Thomson Licensing SA	
		KR 2001 0019997 (English abstract included)	03-2001	Hynix Semiconductor Inc.	


Examiner Signature		Date Considered	8/11/07
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Application Number	10/519,322
		Filing Date	December 23, 2004
		First Named Inventor	Ernest Chen
		Art Unit	2611
		Examiner Name	AHN, Sam K.
Date:	February 22, 2007		
Sheet 1 of 1		Attorney Docket Number	PD-202109

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,522,683	02-2003	Smee et al.	
		US-7,161,931	01-2007	Li et al.	
		US-6,956,841	10-2005	Stahle et al.	
		US-6,049,566	04-2000	Saunders et al.	
		US-2002/0136327	09-2002	El-Gamal et al.	
		US-7,154,958	12-2006	Dabak et al.	
		US-2003/0194022	10-2003	Hammons et al.	
		US-2004/0146014	07-2004	Hammons et al.	
		US-2002/0051435	05-2002	Giallorenzi et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

Examiner Signature		Date Considered	8/11/07
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

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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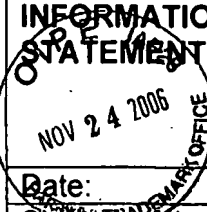
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		Filing Date	December 23, 2004
		First Named Inventor	Ernest Chen
		Art Unit	2611
Date: January 29, 2007		Examiner Name	AHN, Sam K.
Sheet 1 of 1		Attorney Docket Number	PD-202109

U.S. PATENT DOCUMENTS					
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		US-2006/0013333	01-2006	Chen, Ernest C.	
		US-6,369,648	04-2002	Kirkman, George F.	
		US-6,477,398	11-2002	Mills, Randell L.	
		US-3,076,180	01-1963	Havens et al.	

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Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

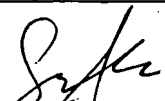
Examiner Signature		Date Considered	8/11/07
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

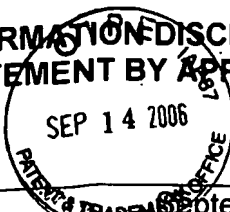
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> 		Application Number	10/519,322
		Filing Date	December 23, 2004
		First Named Inventor	Ernest Chen
		Art Unit	2611
		Examiner Name	AHN, Sam K.
Date:	November 22, 2006		
Sheet 1 of 1		Attorney Docket Number	PD-202109

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>ce</i>		US-2002/006795	01-2002	Norin et al.	
<i>ce</i>		US-6,333,924	12-2001	Porcelli et al.	
<i>ce</i>		US-2001/012322	08-2001	Nagaoka et al.	

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Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
<i>ce</i>		WO 2005/086444	09-2005	Thomson Licensing S.A.		
<i>ce</i>		WO 2005/074171	08-2005	Qualcomm Incorporated		

Examiner Signature		Date Considered	8/11/07
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Substitute for form PTO/SB/08A		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> 		Application Number	10/519,322
		Filing Date	12-23-2004
		First Named Inventor	Ernest Chen
		Art Unit	2611
		Examiner Name	ANH, Sam K.
Date:	September 12, 2006		
Sheet 1 of 1		Attorney Docket Number	PD-202109

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>a</i>		US-6,970,496	11-2005	Ben-Bassat et al.	
<i>a</i>		US-2003/0002471	01-2003	Crawford et al.	
<i>a</i>		US-5,577,067	11-1996	Zimmerman	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
<i>a</i>		CHEN, ERNEST et al.; "DVB-S2 Backward-Compatible Modes: A Bridge Between the Present and the Future"; International Journal of Satellite Communications and Networking; Volume 22, Issue 3, pages 341-365; published 2004 by John Wiley & Sons, Ltd.	

Examiner Signature		Date Considered	8/11/07
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application Number	10/519,322
	Filing Date	12-23-2004
	First Named Inventor	Ernest C. Chen
	Art Unit	2611
	Examiner Name	ANH, Sam K.
Date:	July 19, 2006	
Sheet 1 of 4	Attorney Docket Number	PD-202109

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

<i>C</i>		US-4,637,017	01-1987	Assal et al.	
		US-5,940,025	08-1999	Koehnke et al.	
		US-5,870,443	02-1999	Rahnema, Moe	
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		US-2002/0158619	10-2002	Chen, Ernest C.	
		US-6,426,822	07-2002	Winter et al.	
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		US-6,366,309	04-2002	Siegle, Gert	
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		US-6,272,679	08-2001	Norin, John L.	
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<i>an</i>		US-6,188,717	02-2001	Kaiser et al.	

Examiner Signature	<i>Jafer</i>	Date Considered	8/16/07
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Application Number	10/519,322
Filing Date	12-23-2004
First Named Inventor	Ernest C. Chen
Art Unit	2611
Examiner Name	ANH, Sam K.

Date: July 19, 2006

Sheet 2 of 4

Attorney Docket Number PD-202109

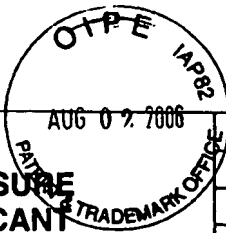
**U.S. PATENT DOCUMENTS**

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		US-6,141,534	10-2000	Snell et al.	
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		US-6,429,740	08-2002	Nguyen et al.	
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		US-5,606,286	02-1997	Bains	
		US-5,221,908	06-1993	Katz et al.	
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		US-4,670,789	06-1987	Plume	
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		US-4,628,507	12-1986	Otani	
		US-4,500,984	02-1985	Shimbo et al.	
		US-4,283,684	08-1981	Satoh	
		US-4,068,186	01-1978	Sato et al.	
		US-2001/0024479	09-2001	Samarasooriya	

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Application Number	10/519,322
Filing Date	12-23-2004
First Named Inventor	Ernest C. Chen
Art Unit	2611
Examiner Name	ANH, Sam K.

Date: July 19, 2006

Sheet 3 of 4

Attorney Docket Number PD-202109

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
a		US-5,732,113	03-1998	Schmidl et al.	
		US-5,793,818	08-1998	Claydon et al.	
		US-5,828,710	10-1998	Beale	
		US-6,018,556	01-2000	Janesch et al.	
		US-6,128,357	10-2000	Lu et al.	
cr		US-6,411,659	06-2002	Liu et al.	

Examiner Signature		Date Considered	8/11/07
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



OTPE 14P82  
AUG 09 2006  
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Substitute for form PTO/SB/08A

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	<b>Complete if Known</b>	
	Application Number	10/519,322
	Filing Date	12-23-2004
	First Named Inventor	Ernest C. Chen
	Art Unit	2611
	Examiner Name	ANH, Sam K.
Date: July 19, 2006		
Sheet 4 of 4	Attorney Docket Number	PD-202109

<b>U.S. PATENT DOCUMENTS</b>					
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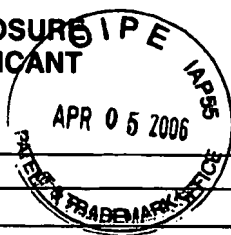
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		FR 2696295	04-1994	Jaspal, Singh Bharj		
		EP 0222076	08-1986	Ketterling et al.		
		JP 07-038615	02-1995	Yasushi, Sogabe		
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		JP 5-252084	09-1993	Takenaka et al.		
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		JP 5-41683	02-1993	Matsudo et al.		
		JP 2-95033	04-1990	Yamamoto, Yoshihiko		
		JP 2-5631	01-1990	Oda, Hirobumi		
		JP 03139027	06-1991	Nippon Telegraph and Telephone Corporation		

<b>NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
		WOLCOTT, TED J. ET AL.; "Uplink-Noise Limited Satellite Channels"; IEEE 1995; pages 717-721; XP-00580915	
		SESKAR, IVAN ET AL.; "Implementation Aspects for Successive Interface Cancellation in DS/CDMA Systems"; Wireless Networks; 1998; pages 447-452	
		Earth Station Technology; 1986; pages 404-412; XP-002248387	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for forms PTO/SB/08A and PTO/SB/08B  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Complete if Known	
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	I.A. Filing Date	July 1, 2003
	371 (c) Date	December 23, 2004
	First Named Inventor	Ernest C. Chen
	Art Unit	2637
	Examiner Name	To be determined
Sheet 1 of 2	Attorney Docket Number	PD-202109



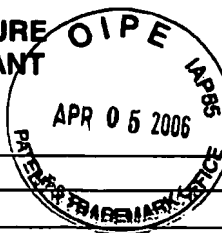
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<i>h</i>		US-5,603,084	02-1997	Henry et al.	
		US-6,389,002	05-2002	Schilling, Donald L.	
		US-6,178,158	01-2001	Suzuki et al.	
		US-6,731,700	05-2004	Yakhnich et al.	
		US-6,411,797	06-2002	Estinto, Eugene	
		US-2002/0071506	06-2002	Lindquist et al.	
		US-5,493,307	02-1996	Tsujimoto, Ichiro	
		US-5,956,373	09-1999	Goldston et al.	
		US-6,535,497	03-2003	Raith, Alex Krister	
		US-6,515,713	02-2003	Nam, Ho Jun	
		US-6,320,919	11-2001	Khayrallah et al.	
		US-3,974,449	08-1976	Falconer, David Duncan	
		US-3,879,664	04-175	Monsen, Peter	
		US-4,253,184	02-1981	Gitlin et al.	
		US-5,233,632	08-1993	Baum et al.	
		US-6,775,521	08-2004	Chen, Yue	
		US-3,878,468	04-1975	Falconer et al.	
		US-2004/0110467	06-2004	Wang, Arthur W.	
		US-6,535,801	03-2003	Geier et al.	
		US-6,325,332	12-2001	Cellier et al.	
		US-6,052,586	04-2000	Karabinis, Peter D.	
<i>h</i>		US-5,995,832	11-1999	Mallinckrodt, Albert J.	

Examiner Signature	<i>Safe</i>	Date Considered	8/11/07
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Substitute for forms PTO/SB/08A and PTO/SB/08B  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Complete if Known	
	Application Number	10/519,322
	I.A. Filing Date	July 1, 2003
	371 (c) Date	December 23, 2004
	First Named Inventor	Ernest C. Chen
	Art Unit	2637
	Examiner Name	To be determined
Sheet 2 of 2	Attorney Docket Number	PD-202109

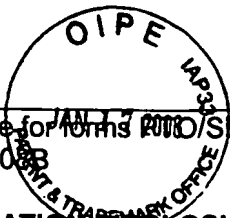


U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
<i>g</i>		MEYR, HEINRICH et al.; "Digital Communication Receivers – Synchronization, Channel Estimation, and Signal Processing"; John Wiley & Sons, Inc.; 1998; pages 212-213 and 217-218; XP 002364874	
<i>h</i>		MEYR, HEINRICH et al.; "Digital Communication Receivers – Synchronization, Channel Estimation, and Signal Processing"; John Wiley & Sons, Inc.; 1998; pages 610-612; XP 002364876	

Examiner Signature	<i>[Signature]</i>	Date Considered	<i>8/11/07</i>
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Substitute for Forms PTO/SB/08A and  
PTO/SB/08B

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Sheet 1 of 3

**Complete if Known**

Application Number	10/519,322
I.A. Filing Date	July 1, 2003
371 (c) Date	December 23, 2004
First Named Inventor	Ernest C. Chen
Art Unit	2637
Examiner Name	To be determined
Attorney Docket Number	PD-202109

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Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		US-6,304,594	10-2001	Salinger, Sheldon Norman	
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8/11/07

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	Application Number	10/519,322
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	First Named Inventor	Ernest C. Chen
	Art Unit	2637
Examiner Name	To be determined	
Sheet 2 of 3	Attorney Docket Number	PD-202109

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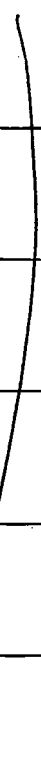

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Examiner Initials*	Cite No.	Foreign Patent Document  Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
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		WO 99/20001	04-1999	Silberger et al.		

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